

WHAT IS CLAIMED IS:

1. An image processing method comprising:
discriminating between a still picture area and a motion
picture area in an input image;
5 enhancing edges with a quantity of edge enhancement larger
in the motion picture area than in the still picture area; and
outputting the input image having the enhanced edges.
2. The image processing method as claimed in claim 1, wherein
10 the motion picture area is specified on the basis of an
edge-moving area in the input image.
3. The image processing method as claimed in claim 1,
wherein the discriminating step is performed by using a motion
15 vector in the input image.
4. The image processing method as claimed in claim 3,
wherein the input image is encoded into any one of MPEG-1,
2 and 4; and
20 the motion vector is obtained by decoding the input image..
5. The image processing method as claimed in claim 3,
wherein the motion vector is obtained by performing a block
matching between the input image and the input image delayed
25 for one frame period as to at least a portion of the input image.

6. The image processing method as claimed in claim 1, further comprising: judging whether the input image is imaged or not imaged;

5 wherein the quantity of edge enhancement for the input image that is judged as an imaged input image is set larger than the quantity of edge enhancement for the input image that is not judged as an imaged input image.

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7. An image processing method comprising:
dividing an input image into a plurality of areas;
obtaining a motion velocity in each of the plurality of areas;

15 setting a quantity of edge enhancement larger in a portion of the plurality of areas having a larger absolute value of the motion velocity;

enhancing edges in the plurality of areas with the set quantity of edge enhancement; and

20 outputting the input image having the enhanced edges.

8. The image processing method as claimed in claim 7, further comprising: judging whether the input image is imaged or not imaged;

25 wherein the quantity of edge enhancement for the input

image that is judged as an imaged input image is set larger than the quantity of edge enhancement for the input image that is not judged as an imaged input image.

5 9. An image processing method comprising:

dividing an input image into a plurality of areas;

obtaining a motion velocity in each of the plurality of areas;

10 setting a quantity of edge enhancement in a portion of the plurality of areas having a larger absolute value of the motion velocity;

calculating an absolute difference value of gradation for each of the pixels between an input image and an input image delayed for one frame period;

15 enhancing edges in the plurality of areas with the set quantity of edge enhancement; and

outputting the input image having the enhanced edges;

20 wherein the steps of setting and enhancing are performed as to a pixel where the absolute difference value of gradation is larger than a predetermined value.

10. The image processing method as claimed in claim 9, further comprising: judging whether the input image is imaged or not imaged;

25 wherein the quantity of edge enhancement for the input

image which is judged as an imaged input image is set larger than the quantity of edge enhancement for the input image which is not judged as an imaged input image. .

5 11. A video displaying method comprising:

discriminating between a still picture area and a motion picture area in an input picture;

enhancing edges with a quantity of edge enhancement larger in the motion picture area than in the still picture area; and

10 displaying an output picture having the enhanced edges.

12. The video displaying method as claimed in claim 11,

wherein the discriminating step includes:

detecting edge information from the input picture;

15 comparing the edge information with an edge information of the input picture delayed for one frame period to detect an edge-moving area; and

specifying the motion picture area on the basis of the edge-moving area.

20 13. The video displaying method as claimed in claim 11, wherein the discriminating step includes:

dividing the input picture into a plurality of areas;
and

obtaining a motion velocity in each of the plurality of
25 areas.

14. The video displaying method as claimed in claim 13, wherein the motion velocity is obtained on the basis of motion vector information of the input picture.

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15. An image processing apparatus, comprising:

a motion picture area discrimination unit configured to discriminate between a still picture area and a motion picture area in an input image; and

10 an edge enhancement processing unit configured to make a quantity of edge enhancement larger in the motion picture area than in the still picture area.

16. An image processing apparatus comprising:

15 a motion picture area velocity discrimination unit configured to obtain a motion velocity in each of areas of an input image; and

an edge enhancement processing unit configured to enhance edges in the areas with a quantity of edge enhancement, the
20 quantity of edge enhancement set larger in a portion of the areas having a larger absolute value of the motion velocity.

17. The image processing apparatus as claimed in claim 16, wherein the edge enhancement processing unit sets the quantity
25 of edge enhancement constant when an absolute value of the motion

velocity is larger or less than a predetermined value.

18. A video displaying apparatus comprising:

amotionvectorobtainingunit configured to obtain motion

5 vector information in an input picture;

an edge enhancement processing unit configured to enhance
edges in the input picture with a quantity of edge enhancement,

the quantity of edge enhancement set larger in an area having
a larger absolute value of a motion velocity, the motion velocity

10 obtained from the motion vector information; and

a display unit that displays the input picture having
the enhanced edges.

19. The video displaying apparatus as claimed in claim 18,

15 wherein the edge enhancement processing unit sets the quantity
of edge enhancement according to a characteristic of the display
unit.